

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031023\  
 Data File : VN076944.D  
 Acq On : 10 Mar 2023 23:15  
 Operator : JC\MD  
 Sample : 01833-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 11

Quant Time: Mar 13 01:27:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 13:47:39 2023  
 Response via : Initial Calibration

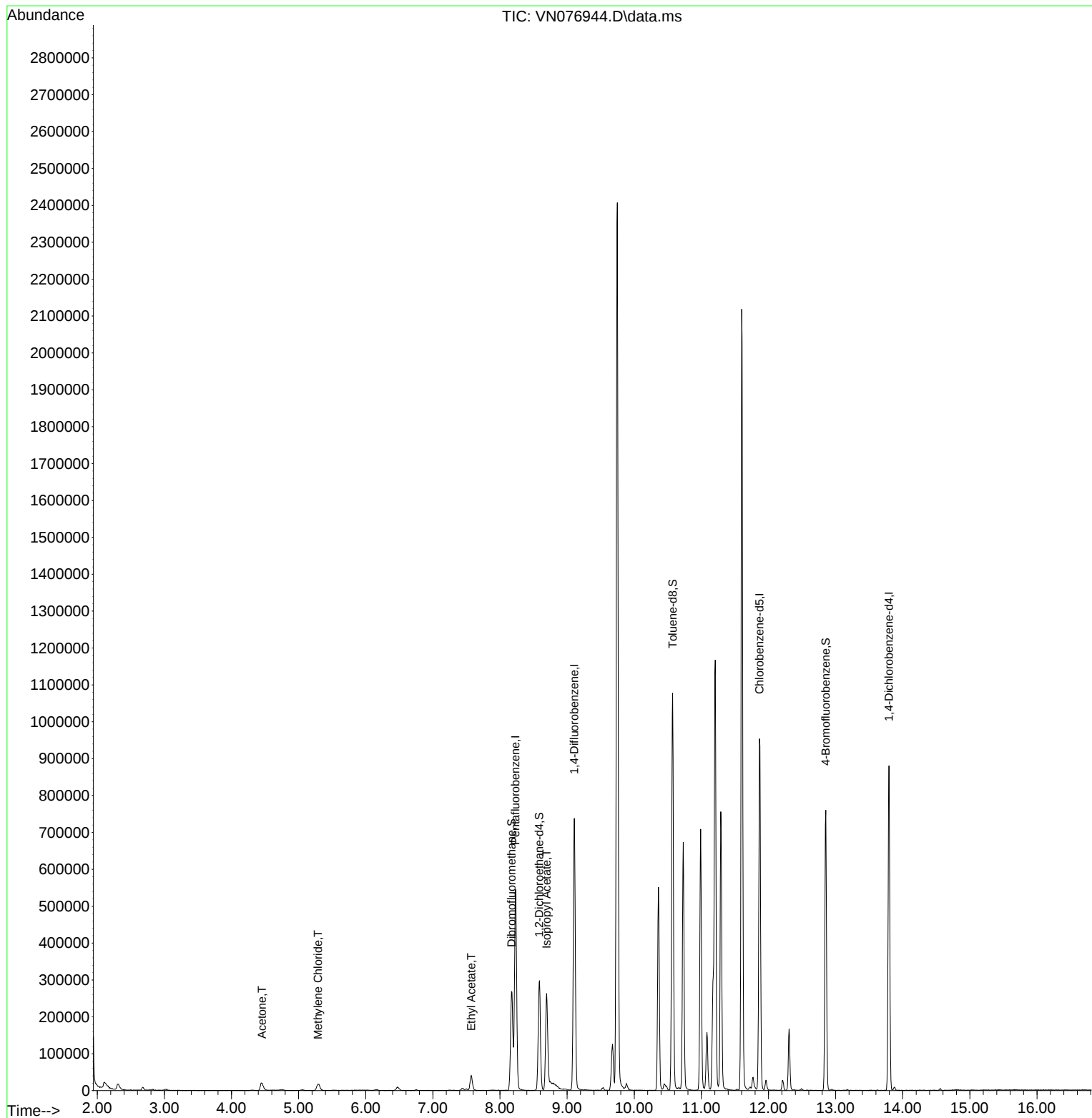
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 373269   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107  | 114   | 618389   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.866 | 117   | 544765   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.795 | 152   | 234683   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 270830   | 48.621   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 97.240%  |
| 35) Dibromofluoromethane    | 8.172  | 113   | 192779   | 46.776   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 93.560%  |
| 50) Toluene-d8              | 10.572 | 98    | 743550   | 48.953   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 97.900%  |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 269391   | 48.489   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.980%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.454  | 43    | 42223    | 21.875   | ug/l # | 88       |
| 20) Methylene Chloride      | 5.290  | 84    | 15853    | 3.194    | ug/l   | 95       |
| 37) Ethyl Acetate           | 7.572  | 43    | 58889    | 11.553   | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.695  | 43    | 309274   | 34.370   | ug/l # | 79       |
| -----                       |        |       |          |          |        |          |

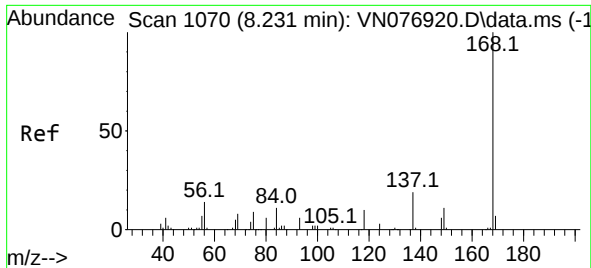
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

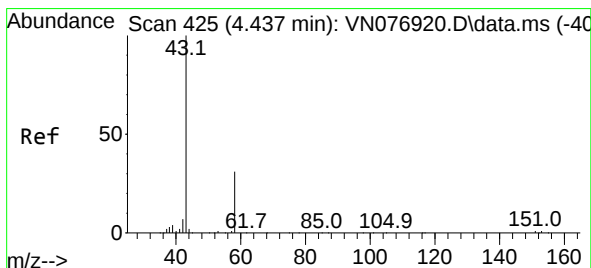
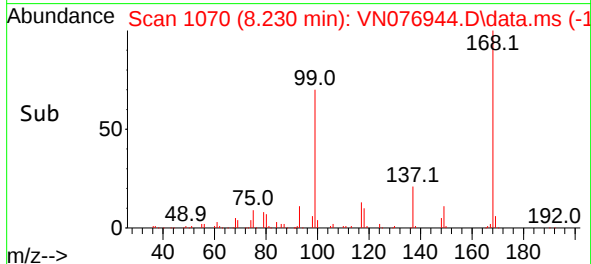
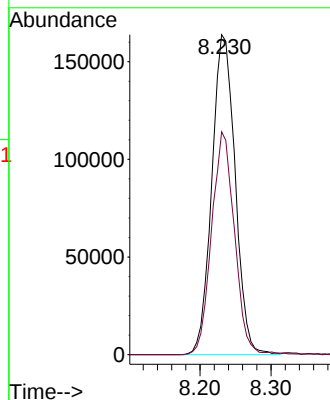
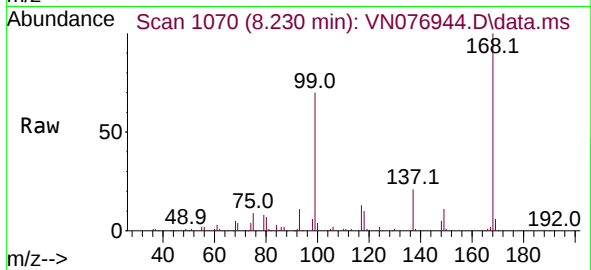




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN076944.D  
Acq: 10 Mar 2023 23:15

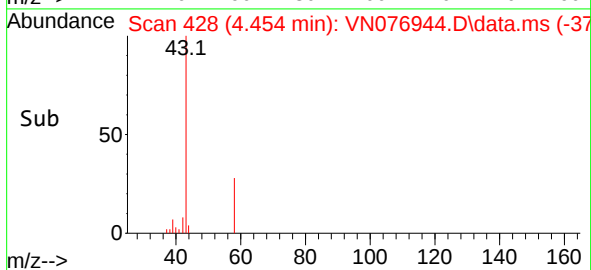
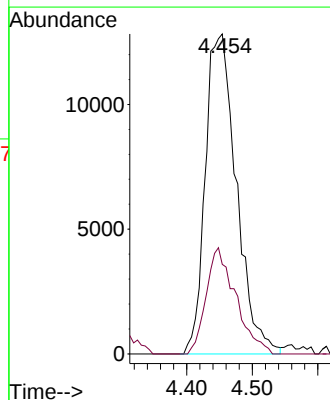
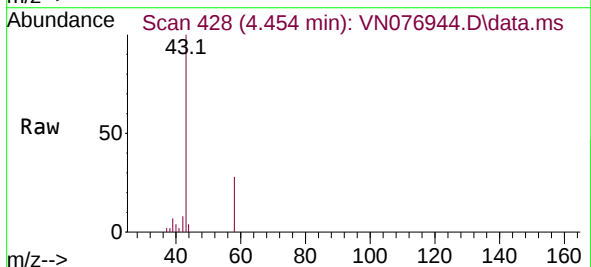
Instrument :  
MSVOA\_N  
ClientSampleId :  
11

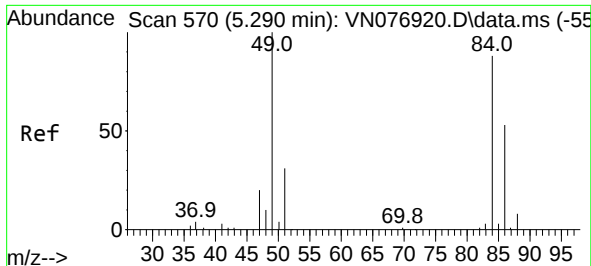
Tgt Ion:168 Resp: 373269  
Ion Ratio Lower Upper  
168 100  
99 69.6 48.6 73.0



#16  
Acetone  
Concen: 21.875 ug/l  
RT: 4.454 min Scan# 428  
Delta R.T. 0.017 min  
Lab File: VN076944.D  
Acq: 10 Mar 2023 23:15

Tgt Ion: 43 Resp: 42223  
Ion Ratio Lower Upper  
43 100  
58 28.0 28.2 42.2#

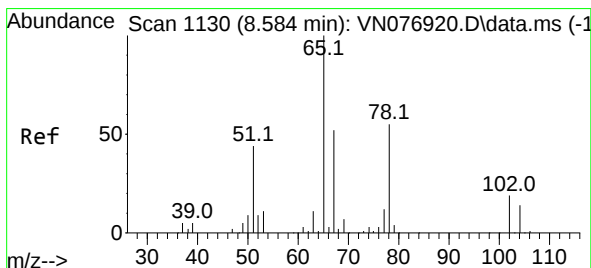
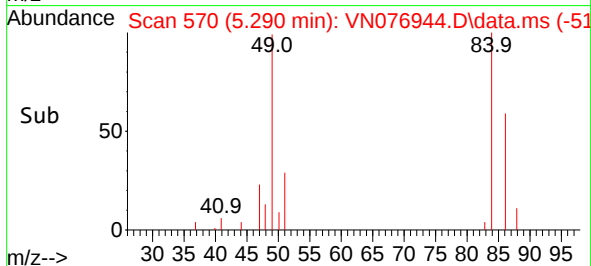
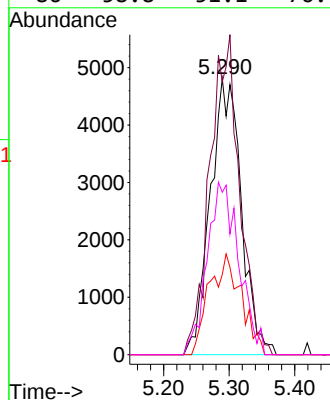
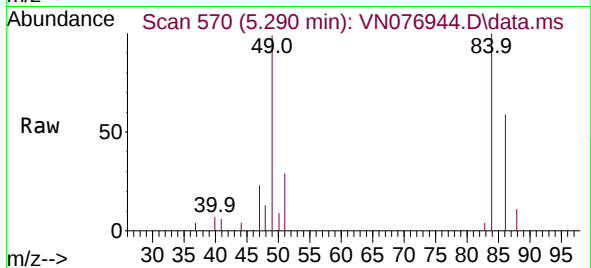




#20  
Methylene Chloride  
Concen: 3.194 ug/l  
RT: 5.290 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VN076944.D  
Acq: 10 Mar 2023 23:15

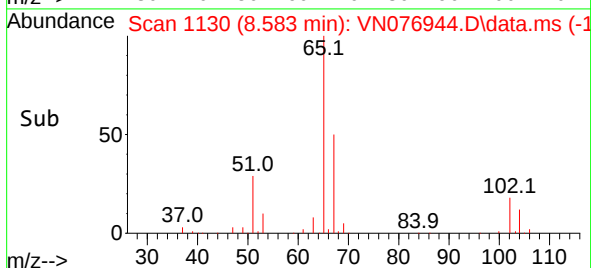
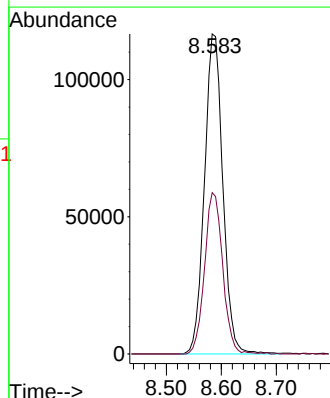
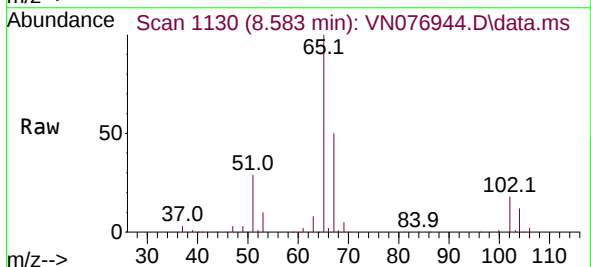
Instrument :  
MSVOA\_N  
ClientSampleId :  
11

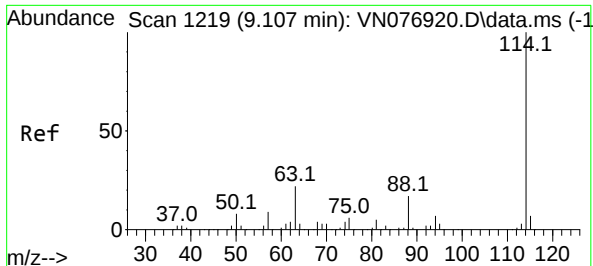
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 15853 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 98.9     | 76.6 114.8  |
| 51 29.0     | 25.4 38.2   |
| 86 58.8     | 51.1 76.7   |



#33  
1,2-Dichloroethane-d4  
Concen: 48.621 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN076944.D  
Acq: 10 Mar 2023 23:15

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 270830 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 49.7     | 0.0 107.2    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA\_N

ClientSampleId :

11

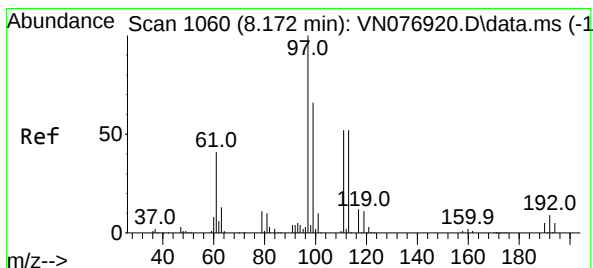
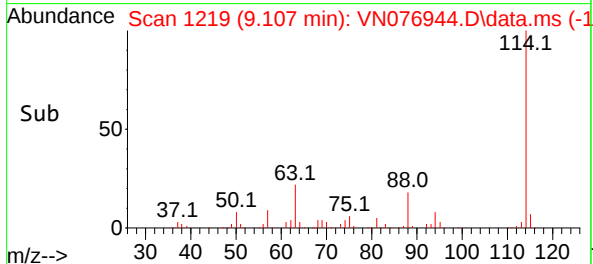
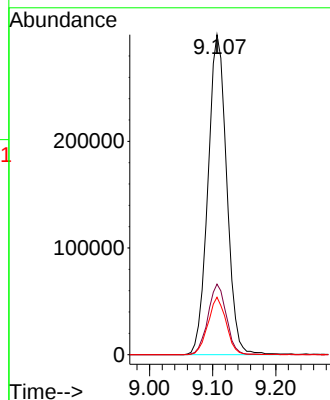
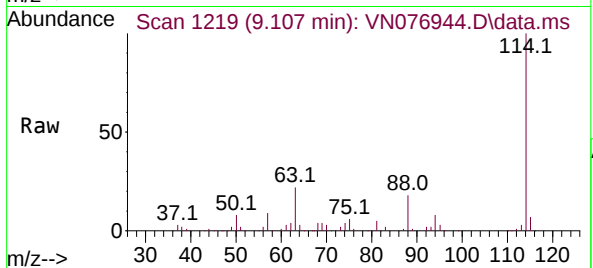
Tgt Ion:114 Resp: 618389

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.6

88 18.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.776 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

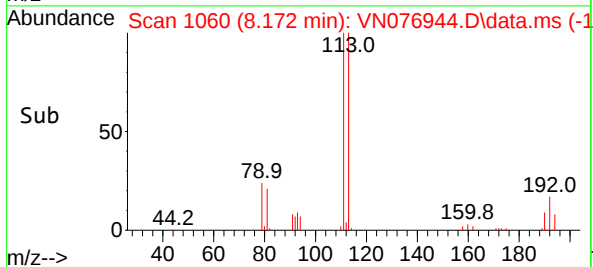
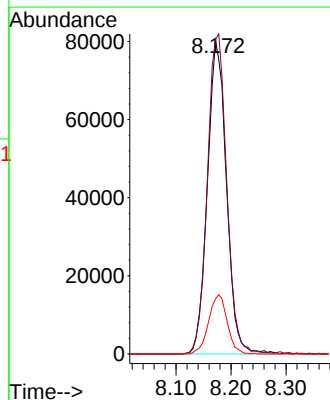
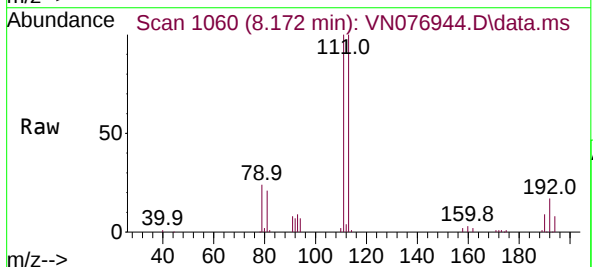
Tgt Ion:113 Resp: 192779

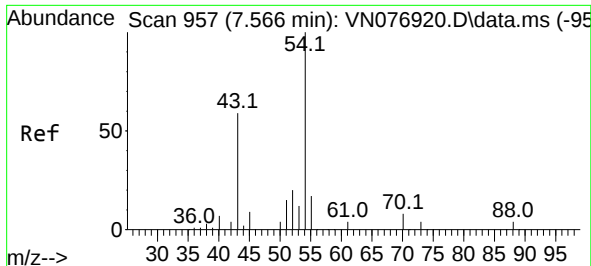
Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

192 18.4 13.9 20.9





#37

Ethyl Acetate

Concen: 11.553 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA\_N

ClientSampleId :

11

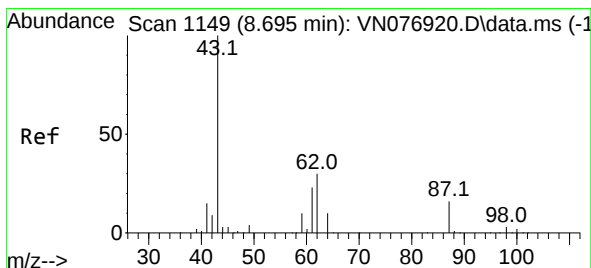
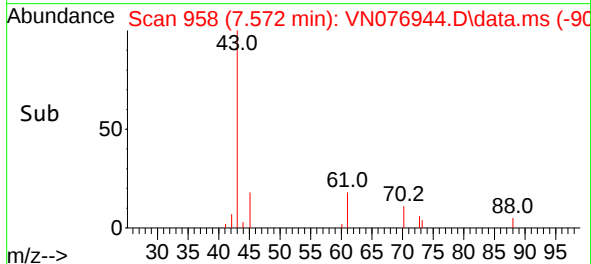
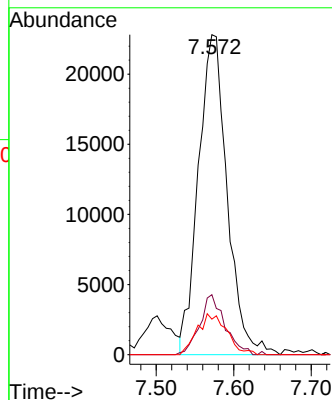
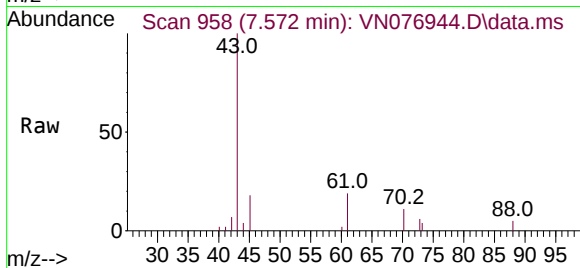
Tgt Ion: 43 Resp: 58889

Ion Ratio Lower Upper

43 100

61 16.3 13.5 20.3

70 13.2 11.0 16.6



#43

Isopropyl Acetate

Concen: 34.370 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

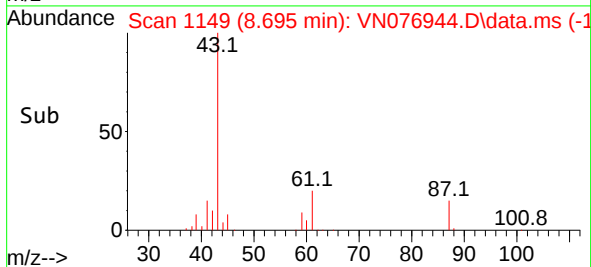
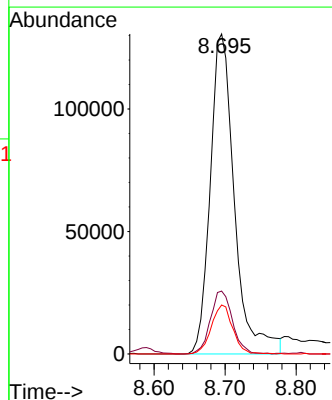
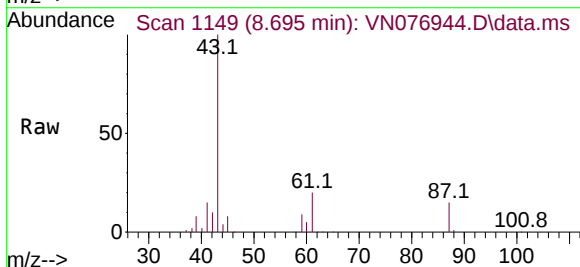
Tgt Ion: 43 Resp: 309274

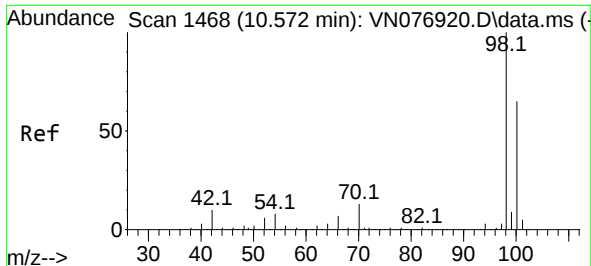
Ion Ratio Lower Upper

43 100

61 17.9 26.2 39.2#

87 13.5 14.8 22.2#

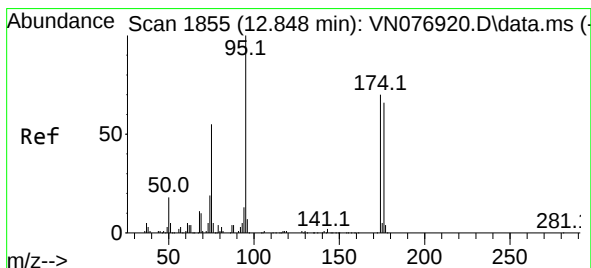
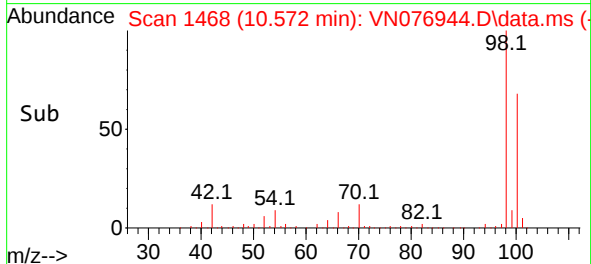
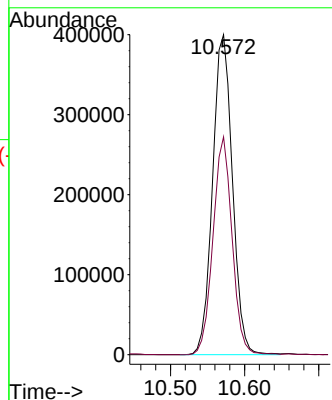
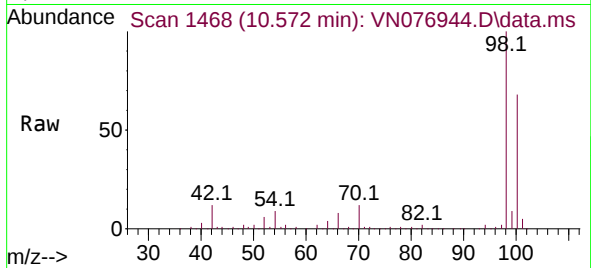




#50  
Toluene-d8  
Concen: 48.953 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076944.D  
Acq: 10 Mar 2023 23:15

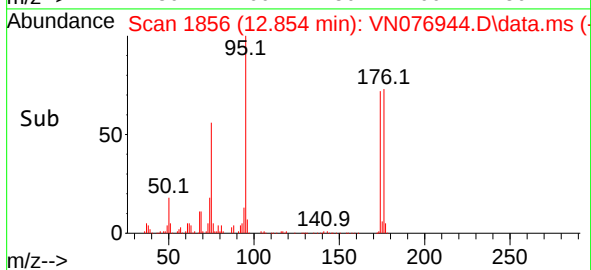
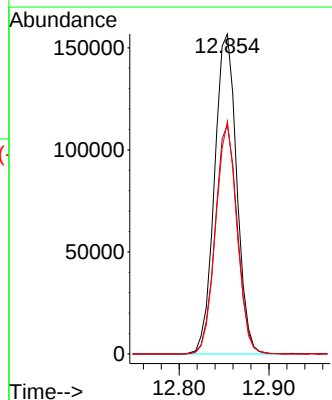
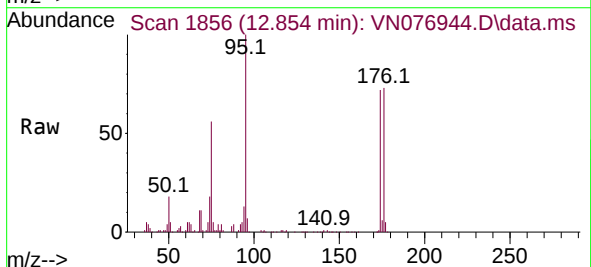
Instrument :  
MSVOA\_N  
ClientSampleId :  
11

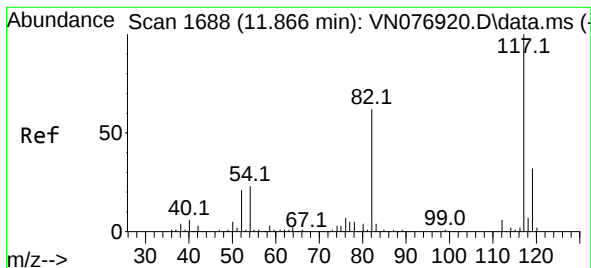
Tgt Ion: 98 Resp: 743550  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 48.489 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN076944.D  
Acq: 10 Mar 2023 23:15

Tgt Ion: 95 Resp: 269391  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 162.4  
176 69.6 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Instrument :

MSVOA\_N

ClientSampleId :

11

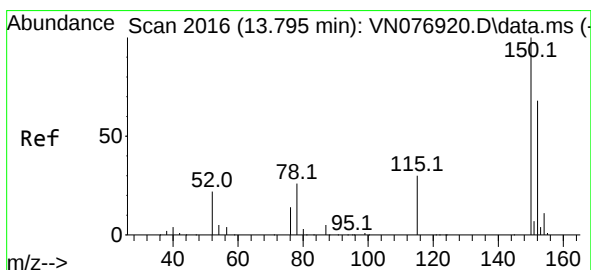
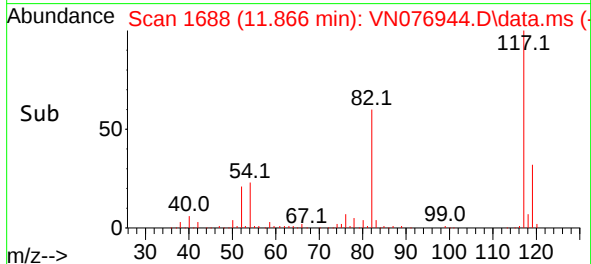
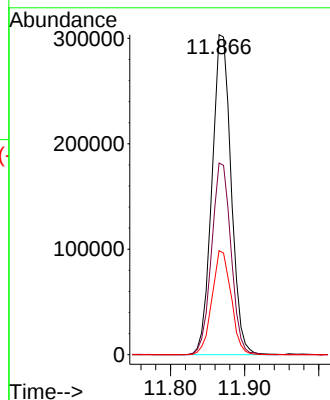
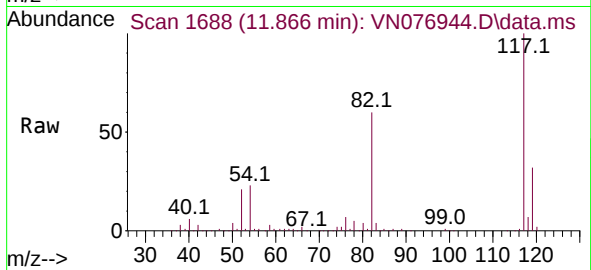
Tgt Ion:117 Resp: 544765

Ion Ratio Lower Upper

117 100

82 59.9 43.5 65.3

119 32.5 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076944.D

Acq: 10 Mar 2023 23:15

Tgt Ion:152 Resp: 234683

Ion Ratio Lower Upper

152 100

115 63.5 30.3 90.9

150 156.0 0.0 353.6

